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November 15, 2017

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Ms. Patricia Hannon (submitted via GeoTracker)
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SUBJECT: FINAL TECHNICAL MEMORANDUM, INITIAL BASEWIDE ASSESSMENT
OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) IN
GROUNDWATER, FORMER MARINE CORPS AIR STATION EL TORO
IRVINE, CALIFORNIA

The U.S. Department of the Navy (Navy) is forwarding for your use a copy of the subject technical memorandum (Enclosure 1), which provides the results of the initial assessment of the presence or absence of PFAS in groundwater in the vicinity of Installation Restoration Program (IRP) Sites 1, 2, 5, 9, 16, 18, and 24. Based on previous military activities that may have involved the use of PFAS-containing materials such as aqueous film-forming foam, these IRP sites were identified as potential sources of PFAS impacts to groundwater. Although all 14 PFAS compounds listed in U.S. Environmental Protection Agency (U.S. EPA) Method 537 Modified were analyzed, only results for perfluorooctanoic acid (PFOA), perfluorooctane sulfonate (PFOS), and perfluorobutanesulfonic acid (PFBS) were evaluated for the presence/absence determination as these are currently the only compounds that have (non-promulgated) screening criteria.

Results indicate that PFOA and/or PFOS are present in groundwater underlying IRP Sites 1, 18, and 24 at concentrations greater than the non-promulgated U.S. EPA Lifetime Health Advisory (LHA) of 0.07 microgram per liter ($\mu\text{g/L}$). PFOA and PFOS are not present in groundwater underlying IRP Sites 2, 5, 9, and 16 at concentrations greater than the U.S. EPA LHA. Although PFBS was detected at all the IRP sites, concentrations were less than the U.S. EPA Regional Screening Level for tap water of 380 $\mu\text{g/L}$.

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Navy management is currently assessing the next steps in regards to PFAS results at several bases where sampling was conducted. I will keep you informed as to the outcome of these discussions and how they apply to Former MCAS El Toro. If you have any questions about these results, please contact me at (619) 524-4610 or Mr. Guy Chammas, Lead Remedial Project Manager, at (619) 524-5922.

Sincerely,



MARC P. SMITS

BRAC Environmental Coordinator

By direction of the Director

Enclosure: 1. *Final Technical Memorandum, Initial Basewide Assessment of Per- and Polyfluoroalkyl Substances in Groundwater, Former Marine Corps Air Station El Toro, Irvine, California.* November 2017

Copy to: (CD only)

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